

82:171700 Polyamide copolymer. Furukawa, Kaoru; Koi, Takeshi; Tanaka, Itsuro (Toyobo Co., Ltd.). Jpn. Tokkyo Koho JP 49041355 B4 19741108 Showa, 5 pp. (Japanese). CODEN: JAXXAD. APPLICATION: JP 1970-129050 19701223.

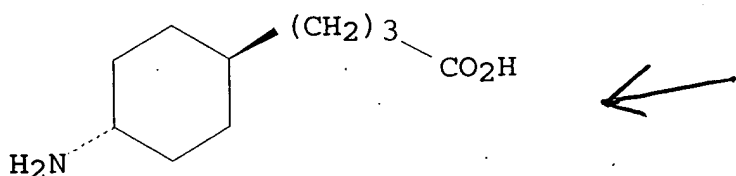
AB Copolyamides with increased modulus of elasticity, Young's modulus, and glass transition temp. were prepd. by incorporating 50-80% of trans- γ -(4-aminocyclohexyl)butyric acid (I) [55031-91-9] (prepd. from C₆H₆ and butyrolcatone, followed by nitration and redn.) with caprolactam(II) or other copolymerizable monomers. Thus, a mixt. of I 2.6, II 1.4, and water 0.06 g was polymd. in a N atm. to give a polymer [55031-92-0] with relative viscosity 2.072 (1 g polymer/100 ml concd. H₂SO₄, 30.degree.), m.p. 254-5.degree., glass temp. 96.degree., and having good film-forming ability and spinnability.

IT 55031-91-9P 55031-92-0P
(prepn. of)

RN 55031-91-9 HCA

CN Cyclohexanebutanoic acid, 4-amino-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 55031-92-0 HCA

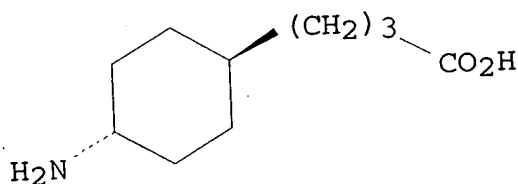
CN Cyclohexanebutanoic acid, 4-amino-, trans-, polymer with hexahydro-2H-azepin-2-one (9CI) (CA INDEX NAME)

CM 1

CRN 55031-91-9

CMF C10 H19 N O2

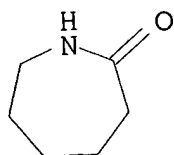
Relative stereochemistry.



CM 2

CRN 105-60-2

CMF C6 H11 N O



IT 55031-91-9P 55031-92-0P